

SUPPORTING DOCUMENT No. 8

**Comparison of Riverside County MS4 Permits
from Three Regional Boards**

A document presented to the Regional Board on February 11, 2004.
A summary and table comparing the requirements contained in the MS4 permits issued to Riverside County by the Colorado River Basin Regional Board, the Santa Ana Regional Board, and the San Diego Regional Board (including the current and tentative permits).

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
	<ul style="list-style-type: none"> • ID and prioritization of water quality problems and their potential sources; • Recommended future monitoring and BMP implementation measures; • An evaluation of effectiveness of existing control measures; • ID and analyze any long term trends in storm water or receiving water quality, and • Descriptions of monitoring locations by latitude and longitude, frequency of sampling, QA/QC, and sampling and analysis protocols; and • All standard requirements. 			<ul style="list-style-type: none"> • Estimation of total pollutant loads (wet and dry weather); • An assessment of compliance with water quality standards; • Descriptions of monitoring station locations, frequency of sampling, QA/QC and sampling and analysis protocols; and • All standard requirements.

used. This could lead to a less stringent interpretation of MEP and, therefore, less stringent permit requirements. The Santa Ana Regional Board's acceptance of Riverside County's previous implementation of the DAMP is a prominent example of this. Order No. R8-2002-0011 acknowledges that the Permittees have made progress during the first and second term permits in implementing storm water regulations and that the continued implementation of the DAMP, dated 1993, will be adequate. The San Diego Regional Board, however, finds the DAMP inadequate to meet the MEP standard and that, as determined by a program evaluation conducted in November 2002, Permittees in the Upper Santa Margarita Watershed area have made insufficient progress towards implementing the DAMP and other permit requirements.

Santa Ana Regional Board Exempts the Permittees from Certain Discharges Into the MS4

The Santa Ana Regional Board does not hold the Permittees responsible for discharges that are outside of their jurisdiction or control. The Receiving Water Limitations (RWL) language in Order No. R8-2002-0011 allows the Permittees to notify the Santa Ana Regional Board of exceedances of water quality standards that are solely due to discharges that are outside the Permittees jurisdiction or control, and they are not required to address these exceedances through the iterative BMP implementation and reporting process (Sections D.1 and D.6). According to Finding No. 14 of Order No. R8-2002-0011, the Permittees lack jurisdiction or control over discharges from agricultural activities, open space, state and federal facilities, utilities and special districts, tribal lands, wastewater management agencies, point and nonpoint source dischargers with other permits, automobiles, brake pad wear, tire wear, runoff from lawful application of pesticides, and nutrient runoff from agricultural activities. The RWL language used in Regions 7 and 9 contains no such exemption. The San Diego Regional Board finds that Permittees cannot passively receive and discharge pollutants from third parties (Tentative Order No. R9-2004-001, Finding 18). By providing free and open access to an MS4 that conveys discharges to waters of the U.S., the operator of an MS4 that does not prohibit and/or control discharges into its MS4 essentially accepts responsibility for those discharges. Further, the San Diego Regional Board recognizes that pesticides, brake and tire wear, automobiles, and other human activities are contributors to common pollutants of concern in urban and storm water runoff and must be addressed through the Permittees' storm water management programs. For example, if a Permittee in the San Diego Region becomes aware of an exceedance of a water quality standard for copper that was a result of brake pad wear, Permittees are required to comply with the RWL language and implement appropriate BMPs to reduce or control pollutants from brake pad wear. Similarly, the Colorado River Regional Board recognizes that metals, petroleum products, PAHs, synthetic organics, and nutrients are included in the most common categories of pollutants in storm water, and it does not state that activities that generate these pollutants are beyond the Permittees' ability to control (Order No. R7-01-077, Finding 20).

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Reporting				
Submittal Date	Annual Report (including Monitoring Report) is due by January 15 of each year.	Annual report (including monitoring report) is due by November 30 of each year.	Annual report (including monitoring report) is due by September 15 of each year.	Annual report (including monitoring report) is due October 31 of each year.
Report Components	<p>The Permittee(s) shall report:</p> <ul style="list-style-type: none"> Any pollution problems and IC/IDs identified as part of the Storm Water Management Plan; All educational activities performed in the previous year, including dates and numbers of attendees; and The overall compliance level for the previous year for each Permittee. <p>Evaluation and assessment criteria is included for each program component in the permit, but it is not specified that these be described in the annual reports.</p>	<p>The Permittees shall report:</p> <ul style="list-style-type: none"> Status of program implementation and compliance; Assessment of control measures established under the IC/ID program; Assessment of program modifications; Summary, evaluation, and discussion of monitoring results from the previous year and any changes to the monitoring program for the following year; Fiscal analysis report; Draft workplan for program implementation for the next year; Major changes in previously submitted plans/policies; and An assessment of Permittees compliance status with the RWL. 	<p>Annual report shall include:</p> <ul style="list-style-type: none"> Statuses of program implementation and compliance; Assessment of control measures established under the IC/ID program; Assessment of program modifications; Monitoring results from the previous year; Fiscal resources report; Any proposed program changes; Summary of the number and nature of enforcement actions, inspections, and public education programs; and ID of water quality improvement or degradation. 	<p>Annual report (including monitoring report) must include:</p> <ul style="list-style-type: none"> A description of all activities conducted to meet permit requirements; An accounting of all reports of IC/IDs; Inspections conducted; Enforcement actions taken; Education efforts conducted; Public participation mechanisms utilized; Proposed revisions to SWMP; Summary of monitoring data; Budget for upcoming year; Assessment of management measures; and ID of water quality improvements or degradation. <p>(Monitoring and Reporting Program, Section III.A)</p>
Monitoring Report Components	<p>Annual monitoring reports shall include:</p> <ul style="list-style-type: none"> Data/results, methods of evaluating data, graphical summaries, and a discussion of each monitoring program component; An analysis of all findings in each component; 	<p>The only monitoring reporting requirements are listed above.</p>	<p>The only monitoring reporting requirements are listed above</p>	<p>Annual monitoring reports shall include:</p> <ul style="list-style-type: none"> Data/results, methods of evaluating data, graphical summaries of data, and discussion of data for each component; An analysis of all findings in each component; ID of long-term trends;

Santa Ana Regional Board Allows Flexibility in Legal Authority and Discharge Prohibitions

Instead of requiring Permittees to establish legal authority to control specific types of discharges, like Regions 7 and 9, the Santa Ana Regional Board allows Permittees to propose control measures in lieu of prohibiting these discharges (Order No. R8-2002-0011, Section V.F). The Order only requires Permittees to “consider” specific non-exempt discharges when reviewing their ordinances.

Furthermore, the Santa Ana Regional Board includes car washing fundraisers, waters not otherwise containing waste, and additional exemptions recommended by the Permittees in the list of discharges that need not be prohibited (Order No. R8-2002-0011, Section II.C). Not prohibiting these discharges is inconsistent with the federal NPDES regulations at 40 CFR 122.26(d)(2)(iv)(B)(1).

San Diego Regional Board Emphasizes Pollution Prevention Over Regional Treatment

The Santa Ana Regional Board promotes the use of downstream or regional treatment in place of pollution prevention and on-site BMPs. Also, Order No. R8-2002-0011 requires Permittees to assess their MS4s and evaluate opportunities to configure and/or reconfigure channel segments to function as pollution control devices (Section IX.E). These requirements encourage stream channel modification and in-stream treatment of urban runoff, which the San Diego Regional Board does not allow (Tentative Order No. R9-2004-001, Finding 16). The Tentative Order strongly emphasizes pollution prevention and BMP implementation prior to discharge to waters of the U.S., consistent with EPA and State Board guidance, because it is a crucial step in creating and maintaining efficient and effective long-term pollution control. Similarly, the Colorado River Regional Board recognizes that the most efficient and cost effective methods to reduce pollutants is to incorporate BMPs in developments during the planning phase (Order No. R7-01-077, Finding 23).

Numeric Sizing Criteria

Currently, none of the Regional Boards are requiring numeric sizing criteria for post-construction treatment BMPs. The Regional Boards have been allowing the implementation of Supplement A to the DAMP, which requires the implementation of “appropriate” non-structural and “routine” structural BMPs at all new developments.¹ Order No. R8-2002-0011 allows the continued implementation of Supplement A for 20 months, after which, Permittees must submit a Water Quality Management Plan (WQMP). The WQMP is intended to address regional and sub-regional BMPs, and to provide guidelines for site-specific post-construction BMPs, but numeric sizing criteria are not required. Therefore, Permittees in the Santa Ana Region will be able to approve a regional and/or in-stream treatment facility instead of on-site pollution prevention and treatment control BMPs designed to treat a specific storm event. Also, the post-construction requirements in the Santa Ana Region do not apply to ministerial projects. Tentative Order No. R9-2004-001 requires Permittees to incorporate

¹ The San Diego Regional Board conducted a program evaluation in November 2002 that revealed that none of the Permittees had been requiring post-construction BMPs.

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Regional Monitoring	Not required	Permittees shall collect and analyze data from other local, regional and national sources.	Not required	Encouraged but not specifically required
Special Studies	None required	None required	None required	Over the permit term, conduct a study to develop numeric criteria to control erosion caused by runoff from new development.
TMDL Monitoring	Not required	Strategies shall be revised/developed to evaluate the impacts of urban runoff on 303(d) listed waterbodies. No specific requirements included.	Not required.	Required in ambient coastal receiving waters component.
Dry Weather Monitoring	Dry weather monitoring is required, but no specific screening program	Not required	4 dry weather stations are identified in the Monitoring Program, but no frequencies or protocol are specified, and no specific screening program is required.	Each Permittee shall implement a dry weather program in approximately 1 year.

specifically sized post-construction treatment control BMPs in all priority new development and redevelopment projects, regardless of whether or not they require discretionary approval.

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Monitoring				
Monitoring Program submittal	No timeline to develop and submit a program, specific locations and frequencies are included in the permit.	Permittees have 1 year to develop and submit their monitoring program for approval. There is no timeline for implementation in the permit.	The Consolidated Monitoring Program (CMP) was already developed, permit just requires its implementation.	Monitoring shall begin in October 2004 and Monitoring Program shall be submitted with the SWMP in 1 year (Monitoring and Reporting Program, Section II).
Mass Loading/Receiving Waters	Sample 4 receiving water locations once a year during dry weather, and 2 receiving water locations once a year during wet weather. Mass loading monitoring is not specifically required.	Mass loadings must be monitored from 3 storm events and 3 dry weather events each year, but the number of stations is not specified.	4 receiving water stations, but no sampling frequencies or protocol are not specified.	Permittees shall monitor mass loadings at 7 locations.
Microbial Monitoring	Not required	Permittees shall develop a program to determine sources of bacteria	Not required	Not required
Toxicity	Not required	2 wet weather and 2 dry weather mass loading samples shall be analyzed for toxicity annually.	Included in CMP, but no frequencies or protocol are specified, and it has never been conducted.	2 wet weather and 2 dry weather mass loading samples shall be analyzed for toxicity annually.
Toxicity Identification Evaluation (TIE)	Not required	Permittees shall develop criteria to trigger a TIE and TRE.	Not required	When findings indicate toxicity and degradation, a TIE shall be conducted.
Toxicity Reduction Evaluation (TRE)	Not required	Permittees shall develop criteria to trigger a TIE and TRE.	Not required	When findings indicate urban-runoff degradation, a TRE shall be conducted.
Land Use Monitoring	Not required	Permittees shall implement strategies to determine impacts from different land uses	Was a goal of the CMP, but was data was insufficient to assess.	Not required
Outfall Monitoring	Sample 2 dry weather and 2 wet weather samples from 3 storm drains each year.	Not required	4 dry weather stations and 3 wet weather stations, but no frequencies or protocol are specified.	Required as part of Dry Weather Monitoring Program
Bioassessment	Not required	Monitoring and IBI development required. Number of stations not	Not required	4 bioassessment stations required to be monitored twice a

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Fact Sheet / Findings				
Permit Issue Date	September 2001	October 2002	November 1998	Tentative
Principal Permittee	RCFCWCD and Riverside County	RCFCWCD	RCFCWCD	RCFCWCD
Permittees	County of Riverside, RCFCWCD, Coachella Valley Water District, and cities of: Banning Cathedral City Coachella Desert Hot Springs Indian Wells Indio La Quinta Palm Desert Palm Springs Rancho Mirage	County of Riverside, RCFCWCD, and cities of: Beaumont Calimesa Canyon Lake Corona Hemet Lake Elsinore Moreno Valley Murrieta Norco Perris Riverside San Jacinto	County of Riverside, RCFCWCD, and cities of: Murrieta Temecula	County of Riverside, RCFCWCD, and cities of: Murrieta Temecula
Permitted Area	Coachella Valley area, Whitewater River basin	San Jacinto watershed - 17.7% of Riverside County	Santa Margarita watershed in Riverside County - approximately 630 square miles.	Santa Margarita watershed in Riverside County - approximately 630 square miles.
Population	Approximately 320,000	1,098,507 (67% of County population)	Approximately 168,000 ²	Approximately 168,000 ³
Current Program	Permittees developed and submitted the Whitewater River watershed storm water management plan (SWMP) as part of their application. Finding 22 states that the SWMP contains BMPs to reduce pollutants in storm water to the MEP, but it does not state that the existing program is adequate.	The RB accepted the DAMP, last revised in February 1993, as the proposed storm water management plan when the permit was issued. The Fact Sheet recognizes the progress made by the Permittees during the first and second term permits in implementing storm water regulations and uses this as justification for requirements that	The RB has found the DAMP, dated March 1993, to be inadequate to meet the MEP standard, and it would not be acceptable as a proposed program with the application. A program evaluation, conducted November 19-15, 2002, revealed that the Permittees have made insufficient progress towards	The tentative Order requires each Permittee to develop an individual Storm Water Management Plan (SWMP) to meet permit requirements.

² State of California, Department of Finance, E-1 City/County Population Estimates, with Annual Percent Change, January 1, 2001 and 2002. Sacramento, CA, May 2002.

³ State of California, Department of Finance, E-1 City/County Population Estimates, with Annual Percent Change, January 1, 2001 and 2002. Sacramento, CA, May 2002.

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Sewer	response plans (Section E.1.d.1).	develop a unified response procedure (Section VII.A). Within 12 months, Permittees with at least 50 septic tanks in use shall identify a procedure to control septic system failures (Section VII.B). Within 12 months, Permittees shall review portable toilet oversight programs (Section VII.C).	water quality degradation from malfunctioning septic systems (Appendix 1, Part C).	and respond to sewage spills (Section J.7)
Program Assessment				
	Specific assessment methods and measures are included in each permit section.	All annual reports shall include an assessment of program effectiveness and an evaluation of monitoring data (Section IV).	All annual reports shall include an assessment of program effectiveness and an evaluation of monitoring data (Section F.28).	Permittees shall develop a long-term strategy, including specific direct and indirect measurements, for assessing the effectiveness of its individual program (Attachment D).
Fiscal Analysis				
	Not required	Permittees shall prepare and submit a unified fiscal analysis report appropriate for permit implementation of permit requirements as part of each annual report (Section XV.B).	Permittees shall prepare and submit a unified fiscal analysis report appropriate for permit implementation of permit requirements as part of each annual report (Section F.25).	Permittees shall include an annual fiscal analysis in each Annual Report (Monitoring and Reporting Program, Section III.A.1.c).
Watershed Storm Water Management Program				
	Finding 19 states that it is necessary for Permittees in common watersheds to coordinate their activities to achieve the greatest protection of water quality. Permittees are encouraged to establish a watershed management structure, but this is not required in the permit.	Not required	Not required	Within 1 year, each Permittee shall collaborate with others to identify, address, and mitigate the highest priority water quality issues/pollutants in each watershed management area (Section K)

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
		are less prescriptive than MS4 permits issued by other Regional Boards. The RB expects that continuation of existing programs will reduce or control pollutants in urban runoff.	implementing current permit requirements and finds no justification for requirements less prescriptive than those in other MS4 permits in the region.	
Current Monitoring Program	No discussion of previous monitoring results, but prescribes requirements in the permit.	RB8 states that monitoring data could not be used to indicate any trends or changes or to assess compliance or non-compliance with Receiving Water Limitations (Finding 35).	RB9 finds that the existing monitoring program has been inadequate to meet any of its goals and must be revised.	The previous monitoring has been insufficient to determine permit compliance, effectiveness, or trends. Therefore, the Tentative Order includes an improved monitoring program.
Watershed Management	Supports the Watershed Management Approach (Finding 29).	Supports the Watershed Management Approach	Supports the Watershed Management Approach	Supports the Watershed Management Approach
Discharges from Other Sources Into the MS4	Finding 8 states that Permittees should not be held responsible for discharges from federal, state or regional entities. Finding 20 recognizes that metals, petroleum products, PAHs, synthetic organics, and nutrients are included in the most common categories of pollutants in storm water, and it does not state that activities that generate these pollutants are beyond the Permittees' ability to control, as RB8 does.	Findings 13 and 14 exempt the Permittees from certain discharges to the MS4. The findings state that the Permittees should not be held responsible for discharges from agricultural activities, state and federal facilities, utilities and special districts, tribal lands, wastewater management agencies and other point and nonpoint source dischargers with other permits. Several activities that generate urban runoff pollutants, such as automobiles, brake pad wear, tire wear, runoff from lawful application of pesticides and nutrient runoff from agricultural activities, are recognized as beyond the Permittees' ability to eliminate.	The Fact Sheet states that while there are other contributors to their MS4s, the Permittees are responsible for all discharges from their MS4s. It goes on to say "although the CWA specifically excludes agricultural discharges from regulation under an NPDES permit, the SDRWQCB encourages the Permittees to seek cooperative ways to control these discharges to and from the MS4s.	Finding 18 states, "As operators of MS4s, the Permittees cannot passively receive and discharge pollutants from third parties. By providing free and open access to an MS4 that conveys discharges to waters of the U.S., the operator essentially accepts responsibility for discharges into the MS4 that it does not prohibit or control."
MEP Definition		The definition includes several different interpretations of MEP	The definition is consistent with SB guidance.	The definition is consistent with SB guidance.

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Illicit Discharge/Illicit Connection Elimination				
Illicit Discharges and Connections		Permittees shall continue to implement control measures to reduce and/or eliminate the discharge of pollutants from MS4s to receiving waters (Section IV.C).		Permittees shall implement a program to actively seek and eliminate IC/IDs (Section J.1).
Dry Weather Monitoring	Dry weather outfall and receiving water monitoring is required as part of the monitoring program.	Dry weather monitoring is required at mass emission stations as part of the monitoring program, but screening of outfalls is not required.	Dry weather monitoring is incorporated into the Water Quality Monitoring Program.	Permittees shall conduct dry weather inspections, field screening, and analytical monitoring of MS4 outfalls to detect IC/IDs (Section J.3).
Investigation/ Inspection and Follow-up	Develop an implementation schedule for inspections of the MS4 (Section E.1.a.2.iii). Conduct field inspections to ensure identification and elimination of illegal dumping and discharge (Section E.1.a.2).	Continue routine inspections of MS4s. Investigate and eliminate illicit connections and illegal discharges within 60 calendar days (Section VI.A). All spills, leaks, and illegal discharges shall be investigated within 24 hours of notice (Section VI.B)	Permittees shall propose a program for regular inspection and maintenance of the MS4 (Appendix 1, Part B).	Permittees shall investigate any portion of the MS4 where monitoring indicates potential of IC/ID (Section J.4). Permittees shall eliminate all detected IC/IDs as soon as possible (Section J.5).
Enforcement	Not specified in this section.	Permittees shall continue to prohibit IC/IDs through their ordinances and the Principal Permittee through its statutory authority (Section IV.A).	Not specified in this section.	Permittees shall implement and enforce ordinances to prevent IC/IDs (Section J.6).
Hotline	Not required	Required in the public education and outreach section (Section X.G).	Not required	Permittees shall promote and facilitate public reporting through development and operation of a public hotline (Section J.8).
Trash	Not required	Within 18 months, Permittees shall assess trash control BMPs and develop a program to conduct visual observations and assessment of trash collected from MS4s (Section VI.D).	Not required	Not required
Limit Infiltration from Sanitary	Review, revise if necessary, and implement sewage spill	Permittees shall collaborate with local sewerage agencies to	Within 1 year, Permittees shall evaluate the potential for storm	Permittees shall take appropriate actions to prevent

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
		and doesn't identify which one the RB intends to use. If the least stringent interpretation is chosen, this could lead to a significant difference in the management programs and BMPs that are required to be implemented.		
MS4 Definition	Doesn't specify that urban streams are part of the MS4.	Definition includes natural drainage features or channels and modified natural channels, and says that historic and current developments make use of natural drainage patterns and features as conveyances for urban runoff. Urban streams used in this manner are part of the MS4 regardless of whether they are natural, man-made, or partially modified features. In these cases urban streams are both MS4s and receiving waters.	Definition includes municipal streams that collect and convey storm water.	The definition is consistent with the federal regulations and does not include natural channels, however, Finding 17 states that "Historic and current development make use of natural drainage patterns and features as conveyances for urban runoff. Urban streams used in this manner are both MS4s and receiving waters."

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
		household use of fertilizers, pesticides, and other chemicals, mobile vehicle maintenance, carpet cleaners, commercial landscape maintenance, and pavement cutting (Section X.H).		

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Permit Requirements				
Responsibilities of Principal Permittee (PP)	<p>Coordinate permit activities; Establish uniform data submittal format; Prepare annual reports; Forward info received from RB7 to Permittees; Implement permit activities of common interest; Inform Permittees of regulations; Convene advisory committee meetings (Section D.1).</p>	<p>Manage the overall urban runoff program; Coordinate revisions to the DAMP; Conduct chemical and biological monitoring; Prepare, coordinate the preparation of, and submit reports; Coordinate a management steering committee and technical committee; Take lead role in developing area-wide programs to comply with permit; Provide technical and administrative support to Permittees; Compile info from Permittees and determine program effectiveness; Coordinate the development and implementation of BMPs, urban runoff programs, and performance standards (Section I.A).</p>	<p>Manage overall storm water program; Conduct water quality monitoring; Develop criteria for inspections; Prepare and submit reports; Coordinate area-wide permit activities; Develop and implement mechanisms, performance standards, etc., to promote consistent implementation of BMPs among the Permittees (Section B).</p>	<p>Coordinate permit activities and facilitate collaboration on development and implementation of programs; Coordinate the joint development of standardized reporting formats; Integrate Permittee documents into unified report; Write section of report covering common activities; Prepare and submit watershed SWMP; Coordinate the implementation of the monitoring program (Section M).</p>
Responsibilities of Permittees	<p>Comply with permit requirements within its jurisdiction; Prepare and provide documents to Principal Permittee in timely manner; Implement a SWMP; Participate in task force meetings (Section D.2).</p>	<p>Manage urban runoff program within its jurisdiction; Participate in committees; Prepare and submit reports to Principal Permittee in timely manner (Section I.B).</p>	<p>Implement programs within its jurisdiction; Participate in committees; Prepare and submit reports to the Principal Permittee (Section C).</p>	<p>Permittee requirements are listed throughout the permit, they are not described in a specific section.</p>

<p>Permit Section</p>	<p>Order No. R7-01-077 Colorado River Region</p> <p>specified (Section E.1.f). Various permit sections contain specific outreach requirements.</p>	<p>Order No. R8-2002-0011 Santa Ana Region</p> <p>Permittees shall continue to participate in joint outreach with other programs (Section X.2). Each Permittee shall sponsor at least one public outreach event per year (Section X.2). Within 6 months, Permittees shall establish a public education committee, which will meet at least twice a year. Their goal is to target 100% of residents, businesses, commercial and industrial facilities and to measurably increase the awareness of urban runoff. The public and business education program must make a minimum of 5 million impressions per year (Section X.C). Within 18 months, Permittees shall propose a survey for measuring changes in public awareness as a result of the education program (Section X.E). Within 12 months, Permittees shall develop BMP guidance for restaurants, automotive service centers, and RGOs (Section X.F). Within 12 months, Permittees shall develop materials to encourage the public to report illegal dumping, including a hotline number (Section X.G). Within 18 months Permittees shall develop BMP guidance for</p>	<p>Order No. R9-98-02 San Diego Region</p> <p>develop material to encourage the public to report illegal dumping (Section F.11).</p>	<p>Tentative Order No. R9-2004-001 San Diego Region</p> <p>communities including:</p> <ul style="list-style-type: none"> • City staff • Construction site owners and developers; • Industrial owners and operators; • Commercial owners and operators; • Residential community; and • Special districts. <p>(Section I)</p>
------------------------------	---	--	---	--

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Discharge Prohibitions				
General discharges	Discharge of waste to waters of the state in a manner causing, or threatening to cause a condition of pollution, contamination, or nuisance is prohibited (Section C.1.a).	Discharges of urban runoff from MS4s shall not cause or contribute to a condition of nuisance. (Section II.I)	Storm water discharges and authorized non-storm water discharges to any surface or ground water shall not adversely impact human health or the environment (Section E.1)	Prohibit discharges into and from MS4s causing, or threatening to cause, pollution, contamination, or nuisance. (Section A.1)
IC/IDs	Prohibit illicit/illegal discharges from entering the MS4 and reduce the discharge of pollutants to the MEP (Section A.1).	Prohibit illicit connections and illegal discharges from entering the MS4. (Section II.A)	Prohibit illicit discharges from entering into the MS4s and require controls to reduce the discharge of pollutants to the applicable performance standard (Section D.1).	Prohibit discharges from MS4s that cause or contribute to exceedances of receiving water quality objectives for surface water or ground water (Section A.2).
MEP Standard	Prohibit discharges from the MS4 containing pollutants that have not been reduced to the MEP (Section A.2).	Prohibit discharges from MS4s to waters of the U.S. containing pollutants that have not been reduced to the MEP. (Section II.B)	Prohibit discharges from MS4s to waters of the U.S. containing pollutants that have not been reduced to the MEP. (Section D.2)	Prohibit discharges from MS4s to waters of the U.S. containing pollutants that have not been reduced to the MEP (Section A.3).
Basin Plan Prohibitions	All discharges are subject to Basin Plan prohibitions.	All discharges are subject to Basin Plan prohibitions. (Section II.H)	Not specified	All discharges are subject to Basin Plan prohibitions (Section A.4).
Non-storm water discharge prohibitions	Prohibit all non-storm water discharges unless they are authorized by a separate permit or listed as not prohibited (Section A.3).	Prohibit all non-storm water discharges unless they are authorized by a separate permit or listed as not prohibited (Section II.C).	Prohibit all non-storm water discharges unless they are authorized by a separate permit or listed as not prohibited (Section A.2).	Prohibit all non-storm water discharges unless they are authorized by a separate permit or listed as not prohibited (Section B.1).

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Inspections	Develop and/or enhance inspection procedures (Section E.1.b.2.). No specific requirements.	Permittees shall inspect high priority facilities at least annually, medium priority facilities at least biannually, and low priority facilities at least once during the permit term (Section IX.B.3 and IX.C.5).	Permittees shall develop a proposal for inspections of industrial and commercial facilities (Appendix 1, Part E).	Permittees shall inspect high priority sites at least annually, medium priority facilities biannually, and low priority facilities once during the permit term (Section H.2.d).
Enforcement	The only specific requirement to enforce is that facilities show proof of General Permit coverage.	Permittees shall enforce ordinances at all industrial facilities as necessary to maintain compliance with permit (Section IX.B.5).	The Permittees proposal must include follow-up enforcement of local requirements (Appendix A, Part E).	Permittees shall enforce their ordinances at all sites as necessary to maintain compliance with permit (Section H.2.e).
Training	Develop and conduct training program for field personnel (Section E.1.b.3).	Staff shall be trained annually (Section IX.B.12). Permittees will develop a business-specific education program (Section IX.C.7).	Not specified.	Staff shall be trained annually (Section H.2.g).
Residential Program				
Source ID	No inventory required.	No specific Residential Program section.	No specific Residential Program section.	Permittees shall identify residential activities that could contribute pollutants in runoff (Section H.3.b).
BMP Implementation	Develop program to detect and prevent dumping, provide, collect and maintain litter receptacles in public areas, support the County HHW program (Section E.1.e).	No specific Residential Program section.	No specific Residential Program section.	Permittees shall designate, and require the implementation of, minimum BMPs for high priority residential activities (Section H.3.c).
Enforcement	Implement and enforce leash laws (Section E.1.e.5).	No specific Residential Program section.	No specific Residential Program section.	Permittees shall enforce ordinances for all residential activities as necessary to maintain compliance with permit (Section H.3.d).
Education Program				
	Permittees shall implement a program to educate the public and staff, but no frequency is	Permittees shall solicit and consider public comments (Section X.1).	Permittees shall continue to implement the current public education efforts and shall	Permittees shall implement a program to measurably increase the knowledge of target

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Exempt Non-storm water Discharges	Exempts street wash water and runoff from all fire fighting activities; Allows for waters not otherwise containing wastes, and other types of discharges identified and recommended by the Permittees and approved by the RB. (Section A.3)	Exempts residential car washing and car washing fundraisers by non-profit organizations; Exempts "emergency" fire fighting but not non-emergency fire fighting flows; Allows for waters not otherwise containing waste and additional exemptions recommended by the Permittees and approved by the RB. (Section II.C)	Consistent with federal NPDES regulations, except that street wash water is not included. Exempts residential car washing only; and "emergency" fire fighting activities.	Consistent with federal NPDES regulations, except that street wash water is not included. Exempts discharges from residential car washing and from all fire fighting. If fire fighting discharges are determined to be a significant source of pollutants, BMPs shall be implemented when not interfering with the protection of health and property (Section B.3).
Receiving Water Limitations (RWLs)				
Exceedances of WQS	Does not specify that discharges from the MS4 that cause or contribute to the violation of water quality standards or water quality objectives (WQS) are prohibited. If exceedances persist notwithstanding implementation of the permit, Permittees must comply with the RWL by following the procedure below (Section B.1).	Prohibit discharges from MS4s that cause or contribute to exceedances of WQS for surface or ground waters. (Section III.A). If exceedances persist, notwithstanding implementation of the permit, Permittees must comply with the RWL by following the procedure below (Section III.D).	Prohibit discharges from the MS4 that cause or contribute to the violation of WQS (Section A.5.a). If exceedances persist notwithstanding the implementation of the permit, Permittees must comply with the RWL by following the procedure below (Section A.5.b).	Prohibit discharges from MS4s that cause or contribute to the violation of water quality standards (Section C.1). If exceedances persist notwithstanding the implementation of the permit, Permittees must comply with the RWL by following the procedure below (Section C.2).
Report Submittal	If an exceedance is identified, Permittees shall promptly notify the RB and thereafter submit a report describing current and additional BMPs that will be implemented to prevent or reduce pollutants (Section B.1). <i>No timelines</i>	If an exceedance is identified, Permittees shall notify the RB within 2 working days and submit a report within 30 days describing current and additional BMPs that will be implemented to prevent or reduce pollutants (Section III.D.1).	If an exceedance is identified, Permittees shall promptly notify and thereafter submit a report to the RB describing current and additional BMPs that will be implemented to prevent or reduce pollutants (Section A.5.b.i). <i>No timelines</i>	If an exceedance is identified, Permittees shall promptly notify and thereafter submit a report to the RB describing current and additional BMPs that will be implemented to prevent or reduce pollutants (Section C.2.a). <i>No timelines</i>

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
	the use of less toxic chemicals will be encouraged through guidance documents (Section E.1.d.3.i). Require that pesticides are applied in conformance with existing state and federal regulations (Section E.1.d.3.ii). Provide list of pesticide application personnel and verify certification (Section E.1.d.7.v). Inspections are not specifically required, but Permittees must document which BMPs are implemented at yards and that model specifications are in contracts (Section E.1.d.7).	training sessions during the 5-year permit term (Section XI.K).		including IPM (Section H.1.e).
Inspections		<i>Not required.</i>	<i>Not required.</i>	Inspect municipal facilities and activities annually (Section H.1.f).
Training	Develop and conduct training for field personnel (Section E.1.a.5). <i>No frequencies</i>	Staff training must be offered at least annually (Section XI.K). Contractor training requirements will be included in new contracts (Section XI.I).	The pollution prevention strategy must include a schedule for staff training (Section F.14).	Education/training is addressed in Section I.
Industrial/Commercial Facilities Program				
Source ID	Develop list of target industries (Section E.1.b.1).	Within 18 months, Permittees shall develop a prioritized list of industrial facilities	Permittees shall develop, and update annually, a prioritized list of industrial facilities (Appendix 1, Part D).	Permittees shall develop, and regularly update, a list of industrial and commercial facilities (Section H.2.b). Minimum facility types to be included are specified.
BMP Implementation	Require all new industrial facilities to show proof of coverage under the General Industrial Permit prior to issuance of business license or certificate of occupancy (Section E.1.b.2). No specific BMPs required.	A few specific BMPs are required to be included on the restaurant survey form (Section IX.C.3).	No specific BMPs required to be designated or implemented, but the Permittees are required to evaluate storm water pollution control efforts at facilities during inspections (Appendix 1, Part E).	Permittees shall designate, and require the implementation of, minimum BMPs for industrial and commercial facilities (Section H.2.c).

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Revisions to Management Plan	Within 30 days following approval of the report by the EO, Permittees shall revise SWMP to incorporate additional BMPs (Section B.1).	Within 90 days following approval of the report by the EO, Permittees shall revise DAMP to incorporate additional BMPs (Section III.D.4).	Within 30 days following approval of the report by the EO, Permittees shall revise SWMP to incorporate additional BMPs (Section A.5.b.iii).	Within 30 days following approval of the report by the EO, Permittees shall revise SWMP to incorporate additional BMPs (Section C.2.c).
Implementation	Implement revised SWMP in accordance with approved schedule (Section B.1).	Implement revised DAMP in accordance with approved schedule (Section III.D.5).	Implement revised SWMP in accordance with approved schedule (Section A.5.b.iv).	Implement revised JURMP in accordance with approved schedule (Section C.2.d).
Exemptions		If exceedances are solely due to discharges that are outside of Permittees' jurisdiction or control, Permittees shall notify the RB within 2 working days and provide written documentation of the discharges within 10 calendar days (Section III.D.6).		
Recurring Exceedances	So long as the Permittees have complied with the RWL section, they do not have to repeat the same procedure for continuing or recurring exceedances of the same RWLs unless directed by the RB (Section B).	So long as the Permittees have complied with the RWL section, they do not have to repeat the same procedure for continuing or recurring exceedances of the same RWLs unless directed by the RB (Section III.D.7).	So long as the Permittees have complied with the RWL section, they do not have to repeat the same procedure for continuing or recurring exceedances of the same RWLs unless directed by the RB (Section A.5.b).	So long as the Permittees have complied with the RWL section, they do not have to repeat the same procedure for continuing or recurring exceedances of the same RWLs unless directed by the RB (Section C.2).

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
MS4 Maintenance	<p>Determine effectiveness of existing MS4 maintenance programs (Section E.1.d.5).</p> <p>Establish measurable goals for MS4 maintenance programs for basins, inlets, and open channels (Section E.1.d.5).</p> <p>Maintain storm drain stencils (Section E.1.d.7.ix).</p> <p>No maintenance frequency specified.</p>	<p>Within 6 months, Permittees shall establish criteria for regular maintenance of the MS4 (Section XI.D).</p> <p>Within 12 months, Permittees shall submit their program for cleaning out open channel MS4s, catch basins, retention/detention basins, and wetlands created for water quality treatment, to the RB for approval (Section XI.G).</p> <p>If a clean out schedule is not developed by November 1, 2004, Permittees must clean out %80 of open channel MS4s, catch basins, retention/detention basins, and constructed wetlands annually (Section XI.H).</p> <p>Within 20 months, Permittees shall assess their MS4s to evaluate opportunities to configure and/or reconfigure channel segments to function as pollution control devices (Section IX.E).</p>	<p>Within 6 months, Permittees shall submit a proposal for regular inspections and maintenance of the MS4 (Appendix 1, Part B).</p>	<p>Permittees must:</p> <ol style="list-style-type: none"> 1. Inspect and remove accumulated waste in the MS4 between May 1 and September 30 of each year; 2. Clean, as necessary, between October 1 and April 30 of each year; 3. Remove trash from open channels at least once a year; 4. Keep records of cleaning and amount of waste removed; 5. Proper disposal of waste; 6. Implement measures to eliminate waste discharges during MS4 maintenance. (Section H.1.d)
Street Sweeping	Not specifically required.	Permittees shall annually evaluate their street sweeping frequencies (Section XI.M).	<p>With first annual report, Permittees shall propose regular street sweeping frequencies (Appendix 1, Part A).</p> <p>Temecula currently sweeps once a week, Murrieta sweeps twice a month, and Riverside County sweeps once a month only in residential areas.</p>	Not specifically required
Pesticides, Fertilizers, and Herbicides	Educate municipal staff on proper use and alternatives such as biological controls and	Permittee staff responsible for application of fertilizer or pesticides shall attend at least 3	Not addressed.	Implement BMPs to reduce pollutants from pesticides, fertilizers, and herbicides,

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Implementation Agreement				
	Does not refer to an Implementation Agreement	The existing Implementation Agreement shall be revised within 6 months, and evaluated annually.	The existing Implementation Agreement shall be revised within 6 months (Section F.8).	Does not refer to an Implementation Agreement
Legal Authority				
Due Date	Does not specify a date for establishing legal authority.	Allows 18 months to submit a statement certifying their legal authority (Section V.G). Must review ordinances and enforcement practices for effectiveness annually.	Allows 6 months to submit a statement certifying legal authority (Section F.9)	Allows 1 year to submit a statement certifying legal authority (Section D.2).
Specific Legal Authority	<p>Must have legal authority to: Control the contribution of pollutants to the MS4 by storm water associated with industrial activity and the quality of runoff from industrial sites;</p> <p>Prohibit illicit discharges to the MS4 (including wash water from hosing or cleaning gas stations, auto repair garages, or other auto service facilities; discharges from cleaning, repair, or maintenance of any types of equipment or machinery including motor vehicles, cement-related equipment and port-o-potty servicing; wash water from mobile operations; runoff from material storage areas containing chemicals, fuels, grease, oil, or other hazardous materials; discharges of food-related wastes);</p> <p>Control spills and dumping to the MS4;</p>	<p>The following discharges shall be considered, but Permittees may propose appropriate controls in lieu of prohibiting these discharges:</p> <p>Sewage;</p> <p>Wash water from hosing or cleaning of gas stations, and other types of auto service stations;</p> <p>Discharges from cleaning, repair, or maintenance of equipment, machinery, or facilities, including motor vehicles, concrete mixing equipment, portable toilet servicing, etc.;</p> <p>Wash water from mobile auto detailing and washing, steam and pressure cleaning, carpet cleaning, etc.;</p> <p>Runoff from material storage areas or uncovered receptacles that contain chemicals, fuel, grease, oil, or other hazardous materials;</p> <p>Discharges of runoff from</p>	<p>Must have legal authority to: Control the contribution of pollutants into the MS4 by storm water associated with industrial activity (including construction) and the quality of runoff from industrial sites;</p> <p>Prohibit illicit discharges and connections to the MS4;</p> <p>Control spills and dumping to the MS4;</p> <p>Control through interagency agreements the contribution of pollutants from one portion of the MS4 to another;</p> <p>Require compliance with ordinances, permits, contracts, and orders; and</p> <p>Carry out all inspection, surveillance and monitoring necessary to determine compliance (Section F.9).</p>	<p>Must have legal authority to: Control discharges into and from its MS4;</p> <p>Control the contribution of pollutants in runoff associated with industrial and construction activity to its MS4 and control the quality of runoff from industrial and construction sites;</p> <p>Prohibit all illicit discharges not exempted in B.2 including: Sewage;</p> <p>Wash water from hosing or cleaning gas stations, auto repair garages, or other types of auto service facilities;</p> <p>Discharges from cleaning, repair or maintenance of any type of equipment, machinery, or facility including motor vehicles, cement-related equipment, and port-o-potty servicing, etc.;</p> <p>Wash water from mobile operations;</p> <p>Wash water from the cleaning of</p>

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Source ID and prioritization	<p>Permittees must list vehicle maintenance and material storage areas and applicable sections of the model SWPPP that have been implemented (Section E.1.d.7.iii).</p> <p>No requirement for a complete list of municipal areas and activities.</p>	<p>Permittees shall continue to implement the Municipal Facilities Strategy to ensure that municipal facilities do not cause or contribute to pollution or nuisance in receiving waters (Section XI.C).</p> <p>No requirement for an inventory of municipal areas and activities.</p>	<p>Within 6 months, Permittees shall develop a pollution prevention strategy, which includes the identification of public agency facilities and activities that are potential contributors of pollutants to waters of the U.S., the potential pollutants of concern associated with the facilities and activities, and the identification of any non-storm water discharges from the facilities or activities, characterization of the discharge, and BMPs to mitigate the discharge (Section F.14).</p>	<p>Permittees shall develop and annually update an inventory of municipal facilities and activities (Section H.1.b)).</p> <p>Minimum facilities and activities to be included are specified.</p>
BMP Implementation	<p>Prepare and implement a model SWPPP for municipal maintenance areas (Section E.1.d.2).</p> <p>Evaluate pavement repair and maintenance programs.</p> <p>Develop model BMPs for common road maintenance activities. Permittees will incorporate appropriate BMPs into road maintenance contracts (Section E.1.d.4).</p>	<p>Within 12 months, Permittees shall develop model maintenance procedures for public agency activities and MS4s (Section XI.F).</p> <p>Within 18 months, Permittees shall develop and distribute BMP guidance for public agency and contract field operations and maintenance staff (Section XI.J).</p> <p>Permittees shall maintain an updated site-specific urban runoff pollution prevention plan for their facilities and activities (Section XI.N).</p>	<p>The pollution prevention strategy must include proposed BMPs and a schedule for implementation, and a monitoring program to assess the effectiveness of the BMPs (Section F.14).</p>	<p>Permittees shall designate minimum BMPs for municipal facilities and activities and require their implementation within 1 year (Section H.1.c).</p>

<p>Permit Section</p>	<p>Order No. R7-01-077 Colorado River Region</p> <p>Control through interagency agreements the contribution of pollutants from one portion of the MS4 to another. Require compliance with ordinances, permits, contracts or orders; and Carry out all inspection, surveillance and monitoring necessary to determine compliance (Section D.4).</p>	<p>Order No. R8-2002-0011 Santa Ana Region</p> <p>washing of toxic materials from paved or unpaved areas; Discharges from pool or fountain water containing chlorine, biocides, or other chemicals; pool filter backwash containing debris and chlorine; Pet waste, yard waste, debris, sediment, etc; Restaurant or food processing facility wastes such as grease, floor mat and trash bin wash water, food waste (Section V.F).</p>	<p>Order No. R9-98-02 San Diego Region</p>	<p>Tentative Order No. R9-2004-001 San Diego Region</p> <p>hosing of impervious surfaces in municipal, industrial, commercial, and residential areas including parking lots, streets, sidewalks, driveways, patios, plazas, work yards and outdoor eating or drinking areas, etc.;</p> <p>Runoff from material storage areas containing chemicals, fuels, grease, oil, or other hazardous materials;</p> <p>Discharges of pool or fountain water containing chlorine, biocides, or other chemicals;</p> <p>Discharges of pool or fountain backwash water;</p> <p>Discharges of sediment, pet waste, vegetation clippings, or other landscape or construction-related waste.</p> <p>Prohibit and eliminate all illicit connections to the MS4;</p> <p>Control spills and dumping to the MS4;</p> <p>Require compliance with ordinances, permits, contracts, or orders;</p> <p>Use enforcement mechanisms to require compliance;</p> <p>Control through interagency agreements the contribution of pollutants from one portion of the MS4 to another;</p> <p>Carry out all inspection, surveillance, and monitoring necessary to determine compliance;</p> <p>Require the use of BMPs to</p>
-----------------------	---	--	--	---

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Inspections	Inspect public construction sites before and after storm events to identify areas contributing to discharges and to evaluate BMP effectiveness (Monitoring and Reporting Program). Permittees are required to identify priorities for inspecting private construction sites, but there are no specific requirements (Section E.1.c.2.iv).	Permittees must inspect high priority sites once every 2 weeks , medium priority sites once a month , and low priority sites once during the wet season (Section IX.A.3.e). Numbers of inspections and actions taken will be included in annual report (Section IX.A.10).	Permittee programs to require BMP implementation at construction sites. (Section F.21) Permittees were required to develop a proposal for inspections, including frequency and enforcement (Appendix 1, Section F). No inspection frequencies specified.	During the wet season, Permittees shall inspect the following sites once every 2 weeks : Sites that are 50 acres or more in size with grading during the wet season; Sites that are 5 acres or more and tributary to an ESA or a 303(d) water listed for sediment; and other sites determined to be a significant threat to water quality. Permittees shall inspect all sites 1 acre or greater once a month . Sites less than 1 acre shall be inspected as needed. (Section G.6) This schedule is consistent with the Santa Ana Region permit. Permittees shall implement internal and external training (F.2.j).
Training	Develop and conduct training for field personnel (no frequencies). Inform contractors, operators and agency staff about upcoming training. Make educational material available at public counter (E.1.c.2.i).	Permittees must annually train staff inspectors (IX.A.5).	None specified.	
Municipal Activities				

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Technology-Based Standards				
Maximum Extent Practicable (MEP)	Permittees shall require controls to reduce the discharge of potential pollutants to the MEP (A.1).	Permittees shall implement control measures to reduce pollutants in urban runoff discharges to the MEP (Finding 44).	Permittees shall control pollutants in storm water discharges to the MEP (Section A.3).	Permittees shall control pollutants in storm water discharges to the MEP (stated throughout the Order).
New Development				
General Plan Assessment	Not required	Assess General Plan within 26 months (VIII.A.9)	Not required	Assess General Plan within 1 year (Section F.1).
Project Approval Process	Adopt and implement approval review procedures in SWMP (Section E.1.c.1.iii).	Review land use approval and CEQA process within 1 year (Section VIII.A.8). Revise, if necessary.	Ensure that CEQA checklist and process complies with permit requirements. If necessary, revise CEQA process to include evaluation of storm water-related impacts (Section F.22). <i>No timeline</i>	Review development project approval process within 1 year (Section F.2.a)
BMP Sizing Criteria	No numeric sizing criteria . Appropriate non-structural and "routine structural" BMPs will be required at all new developments. "Special" structural BMPs may be installed later to address specific water quality problems. (Supplement A)	Permittees have until January 1, 2005 (over 2 years from permit adoption date) to develop and submit a WQMP (VIII.B). It must include a list of recommended BMPs but numeric sizing criteria is not specifically required. If Permittees do not develop a WQMP by January 1, 2005, they are required to implement numeric criteria equivalent to that required by Order R9-2001-01 (24-hour 85 th percentile storm). However, each Permittee is still allowed to propose equivalent sizing criteria (Section VIII.B.6).	No numeric sizing criteria . Appropriate non-structural and "routine structural" BMPs will be required at all new developments. "Special" structural BMPs may be installed later to address specific water quality problems. (Supplement A)	Develop and implement SUSMPs within 1 year. SUSMP requirements include the implementation of source control and treatment control BMPs at ALL priority projects. Treatment BMPs must be sized to treat runoff from a 24-hour 85 th percentile storm, or equivalent. (Section F.2.b).
Priority Projects	None specified	Development categories to be addressed by WQMP (only when discretionary approval is needed): • Home subdivisions of 10 units	No specific priority project types. Supplement A only applies to discretionary actions.	Priority Projects to be addressed by SUSMP (regardless of discretionary or ministerial) include:

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
Proof of General Construction Permit (GCP) coverage	Permittees shall require proof of NOI prior to issuing grading permit (Section D.5.b).	Requires all discretionary projects to obtain coverage under the GCP (Section VIII.A.1).	Not specifically required.	Permittees must require project proponents subject to the GCP to provide evidence of coverage (Section G.3.i).
Public construction site coverage under GCP	Public construction projects are not required to obtain coverage under the GCP, as long as they meet the equivalent permit conditions and submit site info to the RB (Section D.5.a).	Public construction projects are not required to obtain coverage under the GCP, as long as they comply with the equivalent permit conditions. They must submit an NOI to the RB (not the SB) and the fee is waived (Section XII).	Public construction projects are not required to obtain coverage under the GCP, as long as they comply with the equivalent permit conditions and submit a notice to the RB (Section F.15).	Coverage of public construction sites is not specifically mentioned. There is no exemption of coverage under the GCP for public sites.
Source ID	Identify priorities for inspecting sites and enforcing control measures for construction projects that disturb greater than 5 acres, between 1 and 5 acres, and sites disturbing less than 1 acre (Section E.1.c.2.iv).	Within 12 months, Permittees shall develop, and routinely maintain, an inventory of active construction sites (1 acre or larger). Within the 12 months, Permittees must inspect all sites and prioritize them based on threat to water quality. High priority sites include: Sites that disturb 50 acres or more; and Sites that disturb 1 acre or greater and are adjacent to, within 200 feet of, or discharging directly to an impaired water (Section IX.A.2).	Permit does not require an inventory of construction sites.	Permittees shall annually develop and update a watershed-based inventory of construction sites (Section G.4). Sites shall be prioritized based on threat to water quality.
BMP Implementation	Review ordinances to ensure authority to require control of pollutants from construction sites. (Section E.1.c.2.ii). No specific BMPs required to be developed or implemented.	Within 18 months, Permittees are required to create a list of erosion control BMPs appropriate for use during construction (Section VIII.A.11).	Permittees shall require all construction sites, regardless of size, to prevent and control discharges of contaminated runoff to the MEP. Within 270 days, Permittees shall develop and implement Supplement B, which describes recommended BMPs and	Permittees must designate a set of minimum BMPs for construction sites and require their implementation (Section G.5).

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
		<ul style="list-style-type: none"> or more; Commercial developments greater than 100,000 square feet; Auto repair shops; Restaurants; All hillside development greater than 10,000 square feet; Projects near ESAs creating 2,500 square feet of impervious surface; and Parking lots 5,000 square feet or more or with at least 15 parking spaces. (Section B.1) 	Permittees had 180 days to implement Supplement A (Section F.22).	<ul style="list-style-type: none"> Home subdivisions of 10 units or more; Commercial developments greater than 100,000 square feet; Auto repair shops; Restaurants; All hillside development greater than 5,000 square feet; Projects near ESAs creating 2,500 square feet of impervious surface; Parking lots 5,000 square feet or more or with at least 15 parking spaces; Streets, roads, highways and freeways; and Retail gasoline outlets⁴. (Section F.2.b(1))
Peak Discharge Rates	Control storm water runoff from urban development to the MEP so as not to cause erosion and/or sedimentation problems downstream (Section D.3).	The WQMP must include BMPs to control post-construction peak storm water runoff discharge rates and velocities to avoid increasing downstream erosion (Section VIII.B.3.a).	No requirements for the control of post-development runoff.	Develop numeric criteria to ensure that discharges from new development and significant redevelopment maintain or reduce pre-development downstream erosion and protect stream habitat (Section F.2.b(9)).
Regional BMPs	Not discussed	Regional and sub-regional BMPs are encouraged before site-specific BMPs. Permittees may develop and implement regional and sub-regional BMPs (VIII.B.6.d). Permittees shall review and revise the DAMP and Supplement	Not discussed	Requires on-site source control and treatment BMPs at all Priority Project sites. Regional BMPs are allowed if all runoff is treated prior to entering a receiving water. A receiving water cannot be used as a conveyance to a treatment

⁴ Not included in Order No. R9-2002-0001, but recommended for inclusion in the new Riverside County, Santa Margarita Watershed permit. *Riverside County MS4 Permit Comparison*
Megan Fisher 1-28-04

Permit Section	Order No. R7-01-077 Colorado River Region	Order No. R8-2002-0011 Santa Ana Region	Order No. R9-98-02 San Diego Region	Tentative Order No. R9-2004-001 San Diego Region
		A to identify regional or sub-regional BMPs that would address post-construction urban runoff issues (VIII.A.4.b). The obligation to install structural BMPs on-site will be satisfied if a regional BMP is implemented (Section VIII.B.6.e).		system. Section F.2.b(2) states "Under no circumstances can a BMP be constructed in a receiving water".
Training	Distribute educational materials as appropriate and make them available at public counter. Inform architects, engineers, building department personnel, and local government officials about urban runoff and permit requirements. (Section E.1.c.1).	No specific training required	Not discussed	External and internal training is required.
Construction				
Ordinance Review	Review grading and erosion control ordinance to determine adequacy of existing controls and enforcement actions (Section E.1.c.2.ii). Establish model construction site control ordinance (Section E.1.c.2.iii). <i>No time frames included.</i>	Within 16 months, review, and revise if necessary, grading ordinance (Section VIII.A.10). Revise the Enforcement/Compliance Strategy within 12 months (Section IX).	Within 1 year, Permittees shall develop the enforcement/compliance strategy which describes Permittee programs for enforcing storm water and erosion control ordinances (Section F.10).	Review and update grading ordinance within 6 months (Section G.2).
Modify grading approval process	Not specifically required	Not specifically required.	Not specifically required.	Include construction and grading requirements, with emphasis on pollution prevention, to ensure that pollutant discharges are reduced to the MEP (Section G.3). <i>Within 1 year</i>